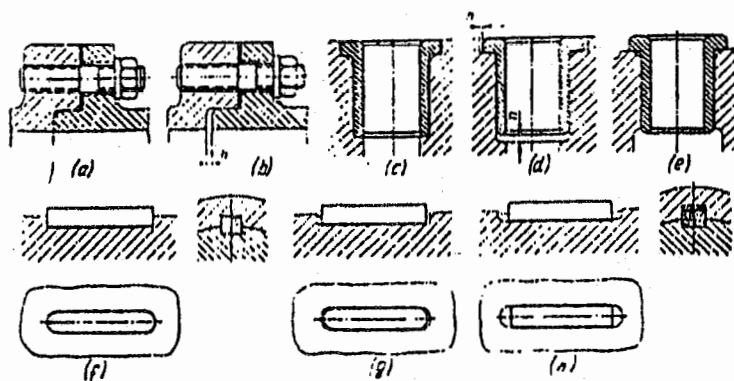
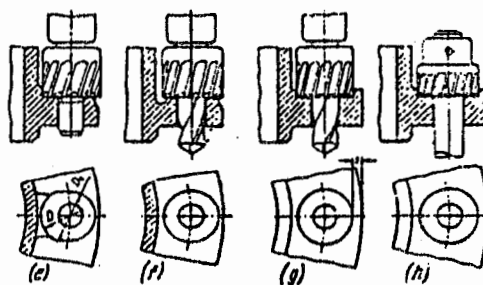


### 3. Considerations Related to Assembly:



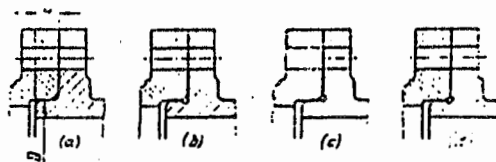
Matching of surfaces

Do not use more than one location for a part fittings.

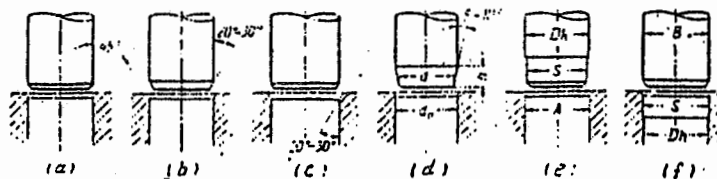


Machining methods for nut and bolt head bearing surfaces

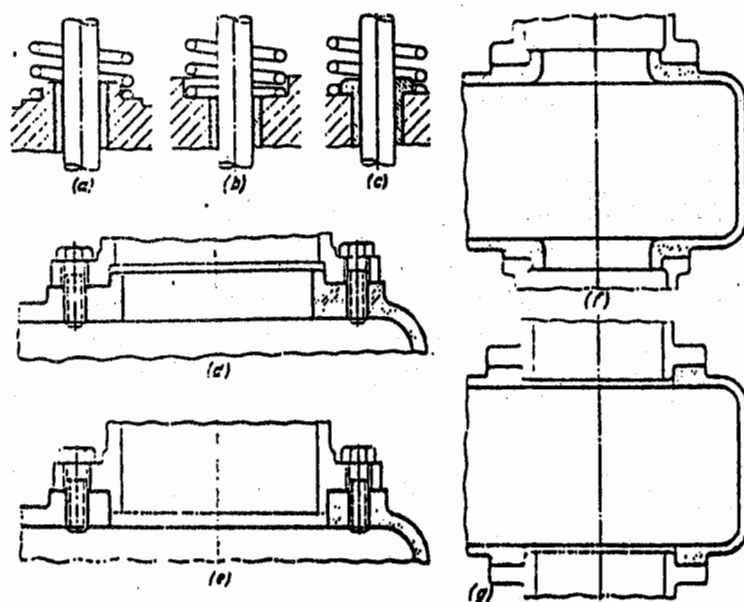
Use spot facing for nut seats.



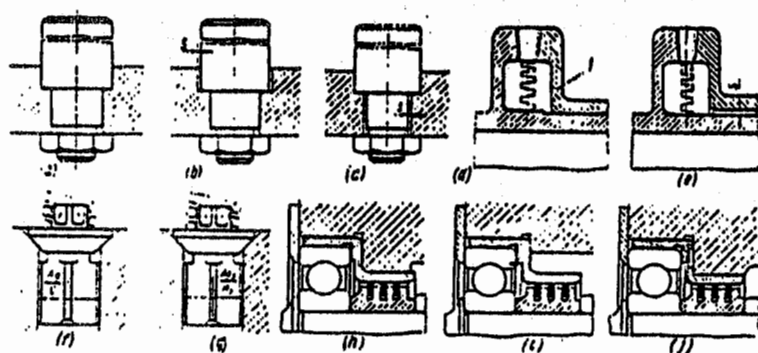
Centring shoulder designs



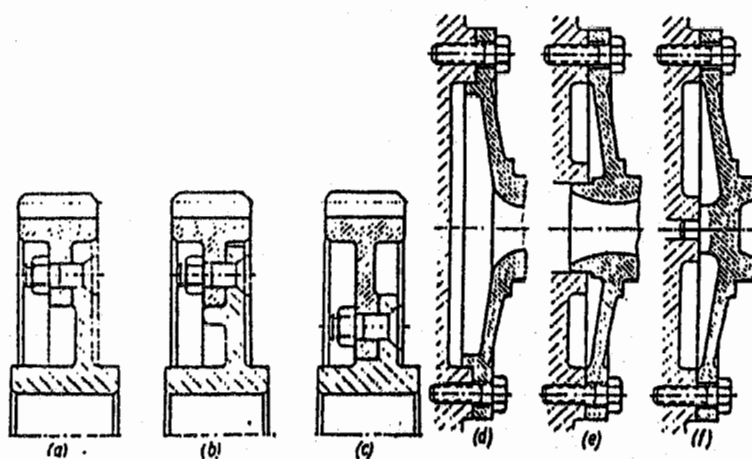
Lead-in chamfers and recesses in pressed connections



Positions of centering shoulders  
(a), (d) and (f) wrong; (b), (c), (e) and (g) correct

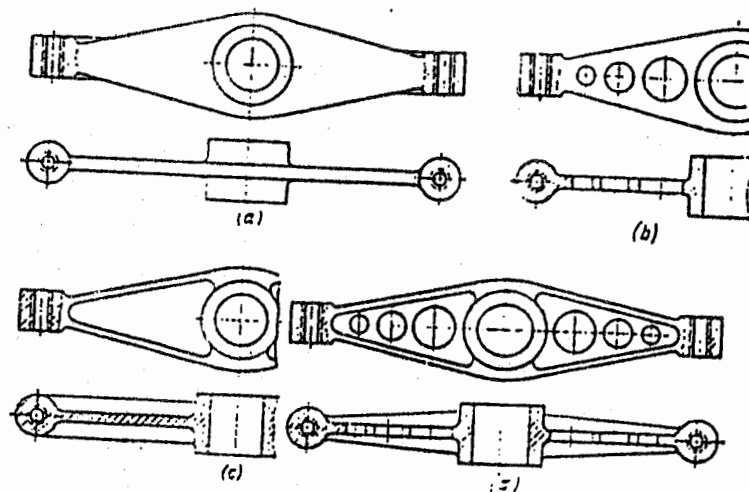


Elimination of double centering



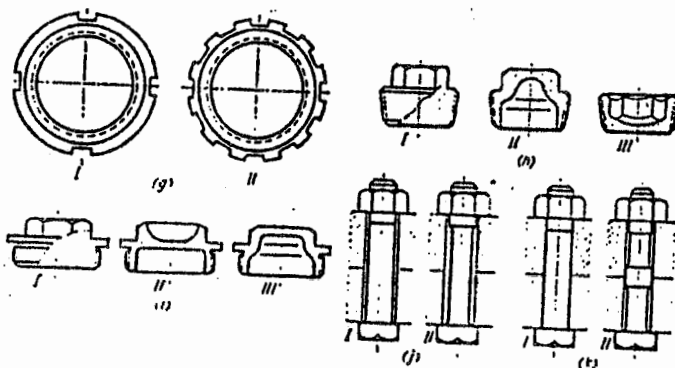
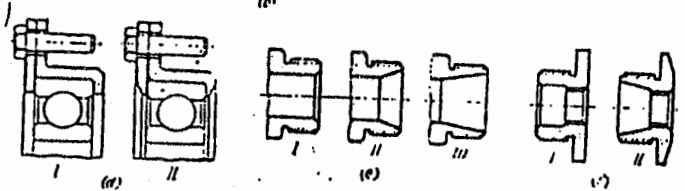
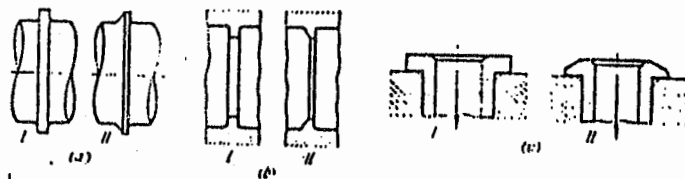
Reduction of centering diameter  
(a-c) gear rim; (d-f) bolted bracket





### Lightening of levers

(a), (c) original designs; (b), (d) reduced-weight versions



### Methods of lightening component elements

(a) shaft collar; (b) thrust shoulder in a hole; (c) flange; (d) disk- and bush-type components; (e) threaded shaft end; (f) nut; (g) ring nut; (h), (i) screwed plugs and stoppers; (j) bolt; (k) locating bolt; I — original designs; II and III — reduced-weight versions

